

# EBF1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54730

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF, ICC, E   |
| <b>Primary Accession</b>       | <a href="#">Q9UH73</a>   |
| <b>Reactivity</b>              | Rat, Dog, Bovine   |
| <b>Host</b>                    | Rabbit   |
| <b>Clonality</b>               | Polyclonal   |
| <b>Calculated MW</b>           | 64464  |
| <b>Physical State</b>          | Liquid   |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human EBF1   |
| <b>Epitope Specificity</b>     | 75-170/591   |
| <b>Isotype</b>                 | IgG  |
| <b>Purity</b>                  | affinity purified by Protein A   |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  |
| <b>SUBCELLULAR LOCATION</b>    | Nucleus (Potential).   |
| <b>SIMILARITY</b>              | Belongs to the COE family. Contains 1 IPT/TIG domain.  |
| <b>SUBUNIT</b>                 | Forms either a homodimer or a heterodimer with a related family member (By similarity). Interacts with ZNF423 and ZNF521, leading to prevent EBF1 to bind DNA and activate target genes. |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.  |
| <b>Background Descriptions</b> | Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGAATT-3'.  |

## Additional Information

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| <b>Gene ID</b>     | 1879  |
| <b>Other Names</b> | Transcription factor COE1, O/E-1, OE-1, Early B-cell factor, EBF1, COE1, EBF  |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000   |
| <b>Format</b>      | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce  |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b>              | EBF1   |
| <b>Synonyms</b>          | COE1, EBF  |
| <b>Function</b>          | Key pioneer transcription factor of B-cell specification and commitment (PubMed: <a href="#">27807034</a> ). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. Operates in a transcription factor network to activate B-cell-specific genes and repress genes associated with alternative cell fates. For instance, positively regulates many B- cell specific genes including BCR or CD40 while repressing genes that direct cells into alternative lineages, including GATA3 and TCF7 for the T-cell lineage. In addition to its role during lymphopoiesis, controls the thermogenic gene program in adipocytes during development and in response to environmental cold (By similarity). |
| <b>Cellular Location</b> | Nucleus.   |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.